Product datasheet for MR212011L3V

Col5a2 (NM_007737) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Col5a2 (NM_007737) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Col5a2
Synonyms:	1110014L14Rik
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_007737
ORF Size:	4491 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR212011).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_007737.2, NP_031763.2
RefSeq Size:	6615 bp
RefSeq ORF:	4494 bp
Locus ID:	12832
UniProt ID:	Q3U962
Cytogenetics:	1 C1.1

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Gene Summary:

This gene encodes the alpha-2 subunit of type V collagen, one of the low abundance fibrillar collagens that gets incorporated into growing fibrils with type I collagen. The encoded protein, in association with alpha-1 and/or alpha-3 subunits, forms homo- or heterotrimeric type V procollagen that undergoes proteolytic processing. Mice lacking the encoded protein die in utero. Transgenic mice that produce a structurally abnormal form of the encoded protein survive poorly and exhibit skin fragility, skeletal abnormalities and alterations in the collagen fiber organization. [provided by RefSeq, Dec 2015]